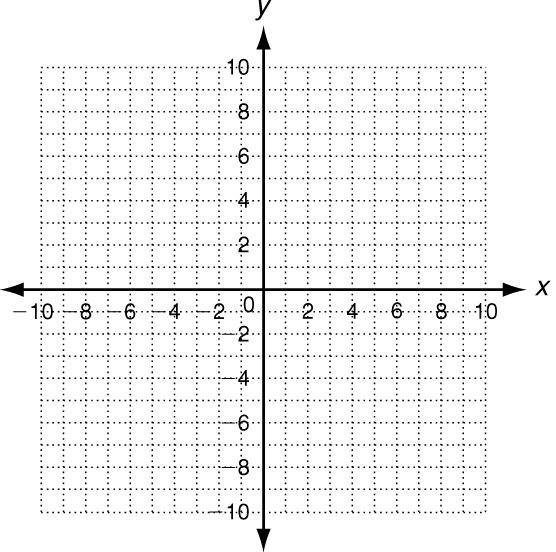
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**Mid-Segment Theorem Homework**

1. Graph Triangle XYZ on the coordinate plane with X(-1, 8), Y(9, 2) and Z(3, -4)
2. Find the midpoint of XZ
3. Graph the midpoint of XZ and label it as M
4. Find the midpoint of YZ
5. Graph the midpoint of YZ and label it as N
6. Connect points M and N
7. Show that XY // MN below.
8. Show that MN is half the length of XY.